

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/GB 02/05907

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N21/77 G01N21/55 G01N33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 384 (P-1772), 19 July 1994 (1994-07-19) & JP 06 109634 A (CENTRAL RES INST OF ELECTRIC POWER IND; OTHERS: 01), 22 April 1994 (1994-04-22) abstract	1-6, 11, 17-20, 32, 34
Y	---	13-15, 21, 22, 26-31, 33
Y	DE 196 30 181 A (INST PHYSIKALISCHE HOCHTECH EV) 29 January 1998 (1998-01-29) figure 4 claims 5-7 column 5, line 1 - line 17 column 3, line 54 -column 4, line 32	26-31
A	---	1, 12, 21, 23
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

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Date of the actual completion of the International search

10 April 2003

Date of mailing of the International search report

23/04/2003

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PCT/GB 02/05907

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	M. ANDERSEN ET AL: "Development of an optical monitoring system for flexible risers" OFFSHORE TECHNOLOGY CONFERENCE, OTC 13201, May 2001 (2001-05), pages 249-255, XP008015969 Houston, Texas abstract page 249, right-hand column, last paragraph -page 250, left-hand column, paragraph 4 page 253, left-hand column, paragraph 1 figures 2,4	33
A	PENG Y T ET AL: "Characterization of hydrogen sensors based on palladium electroplated fiber Bragg gratings (FBG)" SMART STRUCTURES AND MATERIALS 1999: SENSORY PHENOMENA AND MEASUREMENT INSTRUMENTATION FOR SMART STRUCTURES AND MATERIALS, NEWPORT BEACH, CA, USA, 1-4 MARCH 1999, vol. 3670, pages 42-53, XP002237828 Proceedings of the SPIE - The International Society for Optical Engineering, 1999, SPIE-Int. Soc. Opt. Eng, USA ISSN: 0277-786X page 42, last paragraph	1,26
Y	US 5 337 376 A (RAVETTI ROBERT G ET AL) 9 August 1994 (1994-08-09) column 4, line 58 -column 5, line 21 column 3, line 3 - line 55	13-15, 21,22
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 224 (P-721), 25 June 1988 (1988-06-25) & JP 63 018309 A (FUJIKURA LTD), 26 January 1988 (1988-01-26) abstract	1,12
X	PATENT ABSTRACTS OF JAPAN vol. 010, no. 232 (P-486), 12 August 1986 (1986-08-12) & JP 61 066949 A (SUMITOMO ELECTRIC IND LTD), 5 April 1986 (1986-04-05) abstract	1
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	TABIB-AZAR M ET AL: "Highly sensitive hydrogen sensors using palladium coated fiber optics with exposed cores and evanescent field interactions" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, VOL. 56, no. 1-2, 1 July 1999 (1999-07-01), pages 158-163, XP004179632 ISSN: 0925-4005 the whole document	1,13,15

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Information on patent family members

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PCT/GB 02/05907	

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